

METHODS FOR IMPLEMENTING PAGE BASED HOLOGRAPHIC ROM RECORDING AND READING

ABSTRACT OF THE DISCLOSURE

According to one aspect, methods and systems for recording and reading holographic storage media are provided. In one aspect, a method includes illuminating a data mask with a beam and recording a resulting modulated beam in a holographic storage medium, wherein the data mask includes an information layer that is divided into multiple data pages, and propagating a reference beam to the holographic storage medium to record the multiple data pages of the data mask in a parallel fashion on the holographic storage medium.